

ABSTRACT OF THE DISCLOSURE

A sample plate is provided with a mass-spectrometry-use measuring-sample preparation area which serves as an ionization area used for ionizing the sample through laser irradiation, and a membrane affixing area which serves as a plane area on which the membrane bearing the sample adsorbed thereon is fixedly held. The mass-spectrometry-use measuring-sample preparation area is provided with spots at which the sample, extracted from the membrane fixedly affixed to the membrane affixing area, is dropped together with a matrix solution, and placed, and the spots are preferably regularly arranged thereon. Each of the spots preferably has a round structure surrounded by a groove on the periphery thereof so as to be dried in a converged state without being diffused from a fixed area.